

TRANSPORTATION PROJECT UPDATE

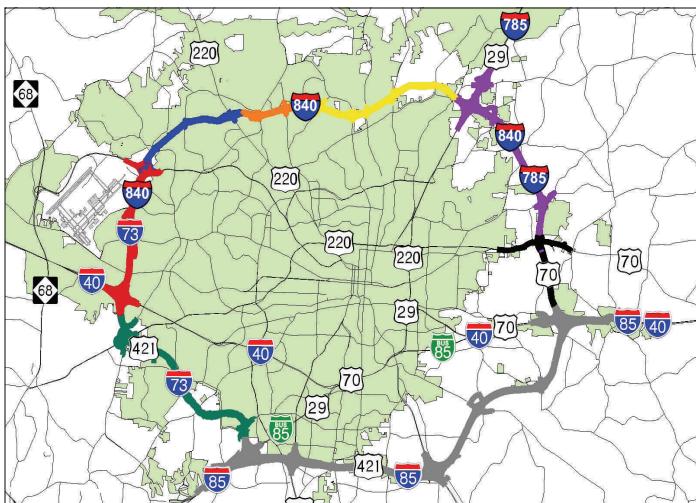
GREENSBORO URBAN AREA

This newsletter provides the latest scheduling and status information for major transportation projects in the Greensboro Urban Area - an area covering the City of Greensboro and much of Guilford County with the exception of Burlington/Gibsonville/Whitsett area in the east and the High Point/Jamestown area in the southwest. Major NCDOT and City of Greensboro projects are included.

Greensboro Urban Loop

NCDOT

NCDOT has prioritized funding for all Urban Loop projects in the state by a new ranking process. New funding schedules for the Greensboro Urban loop are in bold text below.



Northern/Eastern Urban Loop (U-2525)

The Eastern Urban Loop will extend from I-85/I-40 to Lawndale Drive.

- US 70 to I-40/I-85 near McConnell Road. Completed May 2002. Designated as Future I-840.
- **US 70 to US 29. Right-of-way acquisition in 2015-16, construction in 2017-2020.**
- **US 29 to Lawndale Drive. Right-of-way acquisition and construction schedule are unfunded.**

Southern Urban Loop (I-2402)

The Southern Urban Loop / I-85 opened to traffic in February 2004.



Western Urban Loop (U-2524)

The Western Urban Loop will extend from I-85 to Lawndale Drive.

- I-40 to Bryan Boulevard. Opened to traffic December 2007. Designated as I-73 and Future I-840.
- I-85 to I-40. Opened to traffic February 2008. Designated as I-73.
- **Bryan Boulevard to Battleground Avenue. Right-of-way acquisition in 2011-12 and construction in 2014-17.**
- **Battleground Avenue to Lawndale Drive. Right-of-way acquisition and construction are unfunded.**



NCDOT project construction schedules reflect the **Draft 2011-2020 State Transportation Improvement Program (STIP)** released in August 2010. Please note that STIP has been expanded from covering 7 years to 10 years. More information will become available later with the release of the **Metropolitan Transportation Improvement Program (MTIP)**. Both documents are scheduled for approval in Summer 2011. For more information on the STIP & MTIP go to www.ncdot.org and www.guampo.org.

For more information on **active NCDOT projects** call NCDOT Division 7 at (336) 334-3192. For **active City of Greensboro projects** call the Greensboro Engineering & Inspections Department at (336) 373-2303. For **plans, proposals, and future transportation needs** contact the Greensboro Department of Transportation at (336) 373-4368.

NC 68 / US 220 Connector

NCDOT

The first section of the NC 68 / US 220 Connector (**R-2413C**) will run along existing US 220 from just south of the Haw River to the NC 68 intersection in Rockingham County. *Construction 2012-15 and to be coordinated with R-2309AB.* The second section (**R-2413A/B**) will follow a new alignment from US 220 just south of the Haw River, cross NC 150, Brookbank Road, Bunch Road, and Alcorn Road and connect to NC 68 north of Pleasant Ridge Road. *Right-of-way acquisition 2012-13 and construction 2014-17.* Most of the Connector will be built to Interstate Standards, with the section along existing US 220 to be upgraded to Interstate Standards later.

US 220 Widening

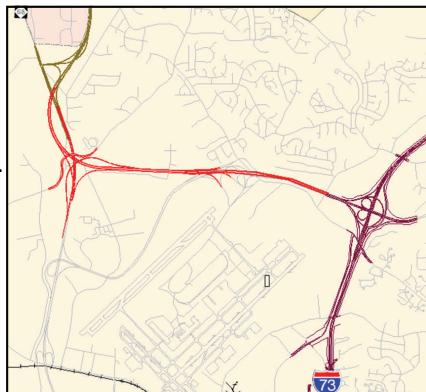
NCDOT

US 220 (**R-2309AB**) will be widened to a four lanes with a median from Horse Pen Creek Road to Winfree Road in Summerfield. *Right-of-way in process and construction 2012-14.*

I-73 Connector

NCDOT

I-73 Connector (**I-5110**) will connect the terminus of R-2413AB at NC 68 with I-73 east of the airport. This project will complete a major portion of I-73 in Guilford County from Rockingham County to US 220 / Future I-73 just south of Greensboro. *Right-of-way acquisition is scheduled for 2015 and construction is expected in 2016-19.*



Battleground Rail Trail

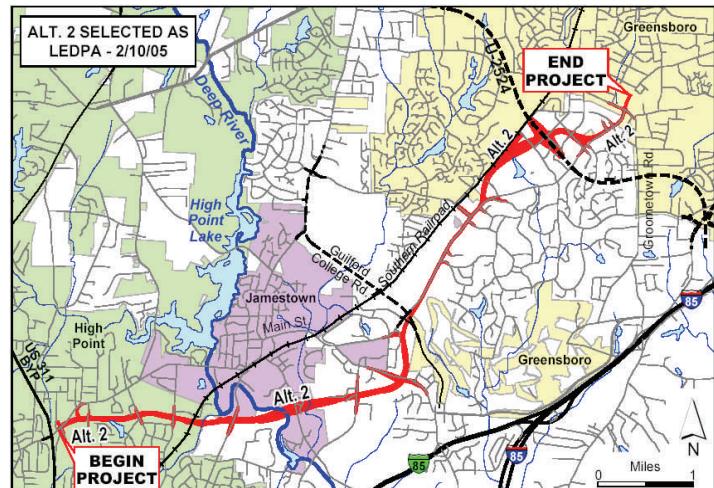
GSO

The Battleground Rail Trail is a multi-use trail segment of the Atlantic & Yadkin Greenway from Pisgah Church Road to Markland Drive. Construction included an underpass at Cone Boulevard. *Construction is complete except for landscaping in Fall 2010. Planning underway for extension to downtown.*



High Point Road

NCDOT



High Point Road (**U-2412**) will be widened and partially relocated from Hilltop Road to the proposed US 311 Bypass in High Point. Sections will be relocated around the old Jefferson Pilot Headquarters and south of the center of Jamestown.

- **Section A** US 311 Bypass to Vickery Chapel Road. *Construction unfunded.*
- **Section B** Vickery Chapel to Groometown/Hilltop. *Right-of-way in process — construction 2012-15.*
- **U-2524AE** (Urban Loop Interchange) construction to be coordinated with Section B.

Greensboro Signal System Replacement

GSO NCDOT

Replacement of the Greensboro Signal System (**U-4711**) is underway with *completion expected in 2013.* The project will replace the current central computer, operating software, intersection controllers, wiring network and other field equipment. The system will be more dependable and adaptive to traffic changes, expanding the current network of traffic cameras and capable to cover more intersections as Greensboro continues to grow.

Battleground Avenue Intersections

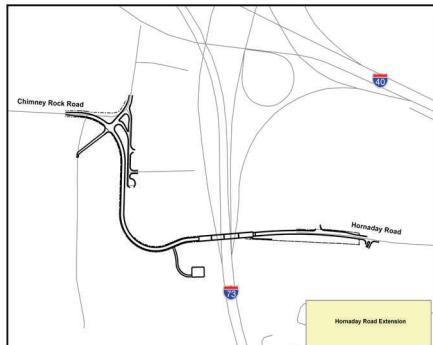
GSO NCDOT

Battleground Avenue Intersections (**U-5306**) project involves improvements at the Cone-Benjamin, Westridge, New Garden and Brassfield intersections. *The project is under design by the City of Greensboro with funding provided by NCDOT for right-of-way in 2015 and construction in 2017.*

Hornaday Road

GSO NCDOT

Hornaday Road extension to Chimney Rock Road will provide an east-west collector parallel to I-40. This project is a City and NCDOT partnership project. The City will construct the roadway and the bridge over the Urban Loop (U-4750), and NCDOT will reimburse the City for the bridge. *Construction underway with completion expected in early 2012.*



Bridford Parkway Extension

NCDOT

Bridford Parkway (U-4006) extension from Hornaday Road north over I-40 and across Guilford College Road to Burnt Poplar Road is underway. The project is expected to relieve traffic congestion at the Guilford College / I-40 interchange. *Construction completion is expected in 2012.*

New Garden Road

GSO

New Garden Road is being widened to 4-lanes divided from Jefferson Road to Brassfield Road. The project includes sidewalks and a new bridge at the creek crossing. *Construction is expected to be complete in Spring 2011.*

West Market Street

NCDOT

West Market Street (R-2611) is scheduled for widening to four lanes with a median from NC 68 to west of Bunker Hill Road. *Right-of-way acquisition underway and construction 2011-13.* (U-3617) from Bunker Hill Road west to NC 66 in Kernersville is not yet funded for any phase.

US 421 Interchanges

NCDOT

NCDOT plans to construct two new interchanges on US 421.

(R-2612A) at Woody Mill Road is *in right-of-way acquisition and construction scheduled for 2011-12.*

(R-2612B) at Neelley Road *right-of-way acquisition in 2012 and construction in 2014.*

US 70

NCDOT

Continuing growth and traffic increases make widening US 70 a strategic priority. US 70 from Mt Hope Church Road to Rock Creek Dairy Road (U-2581B); and from Rock Creek Dairy Road to Burlington (R-2910) will be studied in a combined environmental study document. *Programmed for planning and environmental study, design, right-of-way acquisition in 2018 and construction starting in 2020.*



Gallimore Dairy Road

GSO NCDOT

The first section (U-4015B) from Market Street to I-40 is complete. This was made possible by a loan from the City of Greensboro to NCDOT. (U-4015A) from I-40 to NC 68 is currently under study. *Programmed for right-of-way acquisition in 2018 and construction starting in 2020.*

Reedy Fork Parkway / US 29 Interchange

GSO NCDOT

R-4707 will reconstruct the Reedy Fork Parkway / US 29 Interchange to serve future traffic demand, replace a deficient bridge, prepare for US 29 to be upgraded to interstate standards, and widen Summit Avenue south to Bryan Park Road. The City is developing an environmental study and preliminary design in cooperation with NCDOT. *Study completion in early 2011, right-of-way acquisition in 2018 and construction starting in 2020.*

US 158

NCDOT

(R-2577) Future widening of US 158 from I-40 Business in Winston Salem to US 220. *Completion of environmental study pending, right-of-way acquisition in 2018 and construction unfunded.*

(R-2580) Future widening of US 158 from US 220 to US 29 Business in Rockingham County is *unfunded*.



Pedestrian Improvements

GSO

Greensboro continues to gain new sidewalks through City priority, citizen petition, roadway projects, NCDOT and MPO



Sidewalks to be Completed

- Bridford Parkway between Wendover Avenue and Hilltop Road to be completed in Fall 2010 by NCDOT.

Upcoming Sidewalk & Trail Projects

Funding made available by the MPO, NCDOT and the City.

City of Greensboro contract (2008-002): 5.5 miles of sidewalk and trail work expected to start Spring 2010.

- Bluford Park Trail:** existing trail eastward to Barber Park and existing trail westward to Peeler Elementary School.
- Cone Boulevard:** Battleground Ave to Lawndale Dr.
- Elm-Eugene Street:** Terrell St to Meadowview Rd.
- High Point Road:** Groometown Rd to Manchester Way.
- Holden Road:** Farmington Dr to Vanstory St.
- Randleman Road:** Long St to Rocky Knoll Rd.
- Spring Garden Street:** Holden Rd to Lindell Rd.
- Vandalia Road:** Elm-Eugene St to Randleman Rd.
- Southeast Walking Trail:** Whittington St to Elm-Eugene St.
- Spring Garden Street:** Holden Rd to Lindell Rd.
- Vandalia Road:** Elm-Eugene St to Randleman Rd.

City of Greensboro contract (2008-003): 7.1 miles of sidewalk trail work expected to start Spring 2010

- Bessemer Avenue:** Headquarters Dr to Franklin Blvd.
- Cornwallis Drive:** Lawndale Dr to Church St.
- Briarcliff Road:** Wendover Ave to Nottingham Rd.
- West Market Street:** Village Ln to Walnut Circle.

City of Greensboro contract (2008-004): 2.2 miles of sidewalk work expected to start Fall 2010.

- Elam Avenue:** (west side) Cornwallis Dr to Pembroke Rd.
- Friendly Avenue:** (south side) Holden Rd to Hobbs Rd.
- Lawndale Drive:** (east side) Pisgah Church Rd to Cone Blvd.
- Pembroke Drive:** (north side) Elam Ave to Starmount Farms Dr and (south side) Benjamin Pkwy to Fairway Dr.

City of Greensboro contract (2008-049): 2.3 miles of sidewalk work expected to start late 2010.

- Ardmore Drive:** (west side) Florida St to existing sidewalk.
- Cone Boulevard:** (south side) A&Y Greenway to Lawndale Dr.
- Florida Street:** (both sides) Willow St to Lee St.
- Pinedale Drive:** (north side) Battleground Ave to Benjamin Pkwy.
- Southeast Walking Trail:** South St to Elm-Eugene St.

City of Greensboro contract (2008-049): 2.8 miles of sidewalk work expected to start late 2010.

- Market Street:** (north side) Starmount Dr to Ridgeway Dr.
- Market Street:** (north side) Village Ln to N. Walnut Cir and (south side) Meadowood Dr to S. Walnut Cir.

Safe Routes to School

GSO

- Spry Street** (both sides) from Summit Avenue to Yanceyville Street. Work expected Fall 2010.

Bicycle Improvements

GSO

Sharrows (shared-lane markings) were recently installed on Spring Garden St. between Tate Street and Jackson Street. These connect the bike lanes on Spring Garden Street and provide guidance of where bicycles should position themselves within the driving lane. They also serve as a reminder to drivers to share the lane with bicycles.



GSOsharestheroad.org

Transit Improvements

GTA

The Greensboro Transit Authority set a goal in 2004 to double its annual ridership to 4 million passenger trips by 2009. GTA carried 3.6 million riders in fiscal year 2008. By the end of the fiscal year 2009 GTA anticipates reaching its goal, with contributions in the following transit areas:

Facilities

- GTA began construction this January on the 64,000 square foot Maintenance and Operations Facility and Administrative Offices. The \$20 million building will replace the current operations center with additional capacity to support GTA's growing fleet of transit and support vehicles. The facility will be built on 17.5 acres of land in South Greensboro and has been designed to meet LEED Gold Certification for "Green" buildings.



This project is moving quickly thanks to advance work by GTA, a Federal earmark, STP DA funds allocated through the MPO and support of 2009 American Recovery and Reinvestment Act (Federal Stimulus) funds. Construction is expected to be completed in Spring 2011.

Services

- In an effort to reduce transit's carbon footprint, GTA has submitted requisitions to obtain Greensboro's first hybrid transit vehicles. The environmentally-friendly buses are powered using both electrical and diesel power. The first three buses are expected to be placed into service in January 2011 with the hopes that their performance will support additional acquisitions of hybrid technology for fixed-route and paratransit services; made possible through a Federal earmark.
- Higher Education Area Transit (HEAT) has become a national model for private-public partnerships in transit. Entering its 5th year of service, HEAT transported a total of 234,746 students in the 2009-2010 school year with an additional 506,212 student

trips on GTA in 2009. The first three years of the service received support from MPO & NCDOT CMAQ funding. With the expiration of the demonstration grant, all current costs are borne by the college and university partners who are under contract to continue the service through 2012.



- With the start of HEAT's 5th year, two additional routes have been added to the previous seven to offer area college students and the public more access to local shopping and entertainment options. Route 76 Express HEAT – East directly connects the campuses of NC A&T and Bennett College with Four Seasons Town Centre and the Shoppes at Pyramids Village. Route 78 Express HEAT – West provides direct service from the campuses of Guilford College and UNC-Greensboro to Four Seasons Town Centre and the Wendover Avenue shopping area. The two new routes are funded with GTA's leftover CMAQ funds.

Transit Improvements

PART

PART (www.partnc.org) operates express buses and other services in the Triad. Recent action by the MPO & NCDOT provides STP DA funding to assist in new buses to expand service.

Major projects and unfunded needs, include the following:

- Development of a **regional multi-modal transportation center in Greensboro**.
- Creation of multiple **park-and-ride facilities** within the Triad.
- Development of a **regional rapid transit service** (under study).
- PART is currently reviewing public input on their draft Regional Transit Development plan. PART developed the plan with input from regional governments, MPOs, and transit authorities. The plan focuses on PART transit service for the twelve Triad counties and local transit provider improvements for Guilford and Forsyth Counties. For Guilford County, the Plan promotes livability through proposing 5 transit emphasis corridors where frequent service GTA routes will be coordinated with land use redevelopment efforts. The Plan also proposes a downtown circulator between Downtown Greensboro and adjacent universities.



City Projects Funded by 2009 ARRA Federal Stimulus Funds

Lake Jeanette Road – Lawndale Avenue to N. Elm Street

This proposed project will provide additional capacity, a more consistent roadway width, continuous curbs and gutters, and continuous sidewalks. This project will enhance vehicular and pedestrian safety, and provide additional capacity at key intersections. *Roundabout construction at Elm/Bass Chapel complete; construction on the remainder of the project expected to begin in early 2010. This project was formerly listed as a Year 2000 Transportation Bond project.*

Elm-Eugene Street— JJ Drive to Vandalia Road

This project will enhance roadway with the construction of landscaped medians and sidewalks on both sides. This project will reflect the visual character of the recently completed roadway project south of Vandalia Road. *The project is expected to begin in early 2010. This project was formerly listed as a Year 2008 Transportation Bond project.*

Year 2000 Transportation Bond Projects

On November 7, 2000 Greensboro voters approved \$73.75 million in bonds for Transportation Improvement Projects. These important investments in the city's transportation infrastructure improve traffic flow and safety, and includes sidewalks and aesthetic enhancements.

Horse Pen Creek Road - Fleming Road Connector

The Horse Pen Creek Road – Fleming Road Connector will provide a much needed east-west route for localized traffic and may one day provide a connection to a future interchange with the Urban Loop. *Construction partially complete; remainder of construction expected to begin Spring 2010.*

Creek Ridge Road – Randleman Road to US 220

Creek Ridge Road is a two-lane minor east-west thoroughfare connecting Elm/Eugene Street, Randleman Road, and US 220. A three-lane 36 foot wide cross-section will provide a safer, less congested facility. *Project Planning Study and Preliminary Design completed. Construction expected to begin in 2010.*

Merritt Drive – I-40 Bridge to High Point Road

The two lane section of Merritt Drive carries 19,000 vehicles per day. The widening to five lanes and the addition of sidewalks

Completed Year 2000 Bond Projects



Elm -Eugene Street



Friendly Avenue



NC 68



East Market Street



Franklin Boulevard



Wendover Avenue

CITY OF GREENSBORO 2008 BOND PROJECTS

On November 4, 2008 Greensboro voters approved \$134 million in bonds for Transportation Improvement Projects.

Roadway Projects

Projects Funded For Design & Construction

Alamance Church Road widening from US 421 to City Limits.

Battleground Avenue - Cone Boulevard intersection improvements.

Battleground Avenue Intersection Improvements (Westridge Rd/ New Garden Rd / Brassfield Rd).

N. Church Street widening from Wendover Ave to Cone Blvd.

Clifton Road / Wendover Avenue intersection improvements.

Cone Boulevard / Nealtown Road Extension.

Downtown Intersections bulbouts.

Florida Street Extension from end to McConnell Rd.

W. Friendly Avenue / Friendway Drive intersection improvements.

High Point Road / Lee Street streetscape from Bus I-40 to Eugene St.

Horse Pen Creek Road widening from New Garden Road to Battleground Avenue.

Mackay Road widening from Atwater Dr to Williamsborough Ln.

Norwalk Avenue / Wendover Avenue intersection improvements.

Summit Avenue streetscape from Murrow Blvd to Sullivan St.

W. Market St / College Rd / Guilford College Rd intersection improvements.

Projects Funded For Design Only

Benjamin Parkway widening from Wendover Avenue to Bryan Boulevard.

Church Street Streetscape from Summit Ave to Washington St.

N. Elm Street improvements from Wendover Ave to Cone Blvd.

Elm Street / Pisgah Church Road intersection improvements.

Fleming Road / Lewiston Road intersection improvements

Florida Street / Randolph Avenue intersection improvements.

Lawndale Drive / Pisgah Church Road intersection improvements.

Lewiston Road Connector from Fleming Rd to Lewiston Rd.

Stanley Road widening from Wendover Ave to Hilltop Rd.

Vandalia Road widening from Elm-Eugene St to Pleasant Garden Rd.

Sidewalk Projects

Funded For Design & Construction

Cone Boulevard-Battleground Ave to Lawndale Dr.

Florida Street - Ashe St to Lee St.

Lawndale Drive - Pisgah Church Rd to Lawndale Crossing Shopping Center.

Randleman Road - Farragut St to Shoffner Ct.

W. Market Street - Starmount Dr to Ridgeway Dr.

W. Market Street - Walker Ave to Meadowood St.

E. Wendover Avenue - Arnold St to Penry Rd.

W. Friendly Avenue - Holden Rd to Hobbs Rd.

Funded For Design Only

Battleground Avenue - Fisher Ave to Westridge Rd.

N. Church Street - Denny Rd to Electra Dr.

College Road -W. Market St to Friendly Ave.

Cone Boulevard - Church St. to 16th St.

English Street - E. Market St to Florida St.

English Street - Phillips Ave to Florida St.

W. Friendly Avenue - College Rd to Market St.

Holden Road - Walker Ave to Vandalia Rd.

Lovett Street - Florida St to Freeman Mill Rd.

McConnell Road - Willow Rd to English St.

Pembroke Road - Benjamin Pkwy to Starmount Farms.

Phillips Avenue - Huffine Mill Rd to Summit Ave.

Spring Garden Street - Pomona Dr to Market St.

Walker Avenue - Holden Rd to W. Market St.

W. Wendover Ave - Edwardia Dr to Oak Branch Dr.

Trail Projects

Funded For Design & Construction

Battleground Rail Trail Phase 2

Downtown Greenway

Red Oak Greenway

Riddick's Creek Greenway

Funded For Design Only

Dudley High School Spur Trail

Gracewood Greenway

Muddy Creek Greenway Phase 1 & 2

North Buffalo Creek Greenway

Piedmont Greenway

Pine Cone Greenway

South Buffalo Creek Greenway East & West Leg

Southeast Connector Spurs A,B & C

Vance Arlington Greenway

Public Transportation Projects

Funded

- Bus Stop / Shelter Improvements

NCDOT

MAJOR BRIDGE PROJECTS

Eastbound Business I-40 Bridge over Business I-85 (B-4534) Construction complete.

McConnell Road Bridge over Little Alamance Creek (B-4129) Construction complete.

Mt Hope Church Road Bridge over Alamance Creek (B-4130) Construction complete.

Ballinger Road Bridge at Horse Pen Creek (B-4695) Construction by City of Greensboro expected to begin Spring 2011.

NCDOT

MAJOR INTERSTATE MAINTENANCE PROJECT FUNDING

I-40 (I-5392) from Rock Creek Dairy Road to University Drive in Burlington. Pavement rehabilitation in 2020.

I-40 from I-73 to I-40/I-85 Split (I-5393). Pavement rehabilitation in 2020.

I-40 / I-73 / I-85 Interstate Maintenance Preservation (I-5207) \$1.6 million per year 2011 thru 2020.

I-85 from north of US 29 / US 70 to south of I-73 (I-5339). Pavement rehabilitation in 2017.

NCDOT

ROADWAY ROUTING CHANGES

US 70—Coming from Burlington to be routed onto the Urban Loop (I-840) to I-40/Bus I-85 and to follow Bus I-85. Pending.

US 421—Coming from Randolph County routed onto the Urban Loop following I-85 and I-73 to I-40. Completed.

NCDOT

ROADWAY / INTERSECTION PROJECTS

Randleman Road and Steeplechase Road—sight distance and intersection grade improvements. Construction pending.

Hicone Road at Eckerson Road—construct left turn lanes. Construction pending.

Lee Street and Sharpe Road—construct left turn lanes and traffic signal. Project pending.

Bunch Road and Northwest School Road—construct right turn lane on Northwest School Road. Construction pending.

NC 68 at Alcorn Road and Stafford Mill Road—construct turn lanes on NC 68 and Alcorn Road. Design pending.

Alamance Church Road and Southeast School Road—construct left turn lane on Alamance Church Road. Under construction.

NC 150 at Bunch Road—improve sight distance, construct westbound left turn lane and install traffic signal. Design pending.

NCDOT

RAIL PROJECTS

Lowdermilk Street / Sykes Avenue intersection realignment and Pine Street railroad crossing removal. Design pending.

Carmon Road Rail Crossing Closure and Road Realignment Right-of-way and construction pending.



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